In re Application of: Moore et al.
Application No.: 09/840,368

Amendments to the Claims

1-10. (Cancelled)

11. (Currently Amended) A method for providing information to an application on a computing device, the method comprising:

discovering logical networks to which that the computing device is attached to a first network[[,]];

naming the logical networks in a manner that provides a mapping between the names given to the logical networks and the logical networks,

associating a first name with the first network;

discovering information about physical locations of interfaces on the computing device to the logical networks,

upon discovering that the computing device is attached to the first network, discovering information about the first network, the information comprising first physical location information;

providing the names first name and the first physical location information about the logical network interfaces to the application;

discovering that the computing device is attached to a second network, the second network different from the first network;

associating a second name with the second network, the second name different from the first name;

upon gaining connectivity to the second network, discovering information about the second network, the information comprising second physical location information;

providing the second name to the application; and

notifying the application when the information provided to it changes

if the second physical location information differs from the first physical location information, then providing the second physical location information to the application.

12-17. (Cancelled)

18. (New) The method of claim 11 wherein discovering information about the first network comprises consulting a list of physical-location discovery methods applicable to the first network.

19. (New) The method of claim 18 wherein discovering information about the first network comprises performing a plurality of physical-location discovery methods listed as applicable to the first network.

20. (New) The method of claim 11 wherein the first physical location information comprises an error range of the physical location.

21. (New) The method of claim 11 wherein providing the first physical location information to the application comprises providing latitude, longitude, altitude, and a method used in discovering information about the first network.

22. (New) The method of claim 11 wherein providing the first physical location information to the application comprises converting the first physical location information into a common format before providing it to the application.

23. (New) The method of claim 11 further comprising:

notifying the application if third physical location information is discovered that differs from the first physical location information.

24. (New) The method of claim 23 further comprising:

consulting a reporting threshold set by the application; and

notifying the application only when a magnitude of a difference between the first and third physical location information exceeds the reporting threshold.

25. (New) The method of claim 11 further comprising:

notifying the application when physical information provided to it is supplemented by further information.

26. (New) A computer-readable medium having computer-executable instructions for performing a method for providing information to an application on a computing device, the method comprising:

discovering that the computing device is attached to a first network;

associating a first name with the first network;

upon discovering that the computing device is attached to the first network, discovering information about the first network, the information comprising first physical location information;

providing the first name and the first physical location information to the application;

discovering that the computing device is attached to a second network, the second network different from the first network;

associating a second name with the second network, the second name different from the first name;

upon gaining connectivity to the second network, discovering information about the second network, the information comprising second physical location information;

providing the second name to the application; and

if the second physical location information differs from the first physical location information, then providing the second physical location information to the application.